

## **Abstract**

The invention relates to a method for controlling a brake pressure in at least two wheel brakes preferably mounted on one axle of the vehicle, the control method being performed during a braking operation on a road surface having a heterogeneous coefficient of friction.

This method is characterized in that

- a low coefficient of friction side and/or a high coefficient of friction side is detected,
- a stability index representing the driving state of the vehicle is formed,
- the stability index is evaluated on the basis of the low coefficient of friction side and/or on the basis of the high coefficient of friction side and
- the brake pressure is altered in at least one wheel brake as a function of the value of the stability index and as a function of the result of the evaluation of the stability index on the basis of the low coefficient of friction side and/or the high coefficient of friction side.

This invention also relates to a device suitable for performing the method.

(Figure 5).

Figure 5:

links = left

rechts = right

510 = Low  $\mu$  side?

520 = High  $\mu$  rear wheel far into slip?

ja = yes

nein = no

sonst = other

530 = Stability index S?

Druckabbau = Pressure reduction

Druck halten = Pressure holding

Druckaufbau = Pressure increase

Figure 6:

ja = yes

nein = no

620 = Change low  $\mu$  side?

630 = Pressure difference on rear axle?

>50% pressure difference on front axle

<50% pressure difference on front axle